

## NOTES ON MEXICAN BUTTERFLIES, V

F. MARTIN BROWN  
NYMPHALIDÆ, II

Tribe *Vanessidi*323. *Nymphalis antiope* Linnaeus.

G. & S., 1: 215; 2: 682 (as *Vanessa*).

S., p. 457, pl. 93f.

H., p. 680.

Galeana, Nuevo Leon, 6500 ft., 1 ♀ vii.30.39 (H.H.).

El Sabino, Uruapan, Michoacan, 1 ♀ vii.15-30.36  
(H.D.T.).

The Galeana specimen is battered, the other fresh.

324. *Vanessa atalanta* Linnaeus.

G. & S., 1: 219 (as *Pyrameis*).

S., p. 458, pl. 94a.

H., p. 680.

Galeana, Nuevo Leon, 6500 ft., 1 ♂ viii.4.39 (H.H.).

Las Adjuntas, Nuevo Leon, 2500-3000 ft., 1 ♀ vi.21.40  
(H.H.).

Orizaba, Vera Cruz, 2000 ft., 1 ♀ v.6.41 (R.P.).

Tancitaro, Michoacan, 6586 ft., 1 ♀ viii.11.40 (H.H.).

The Galeana and Orizaba specimens are fresh.

325. *Vanessa virginiensis* Drury.

S., p. 459, pl. 94b.

H., p. 680.

Hda. Vista Hermosa, Villa Santiago, Nuevo Leon, 1500  
ft., 1 ♀ vi.18.40 (H.H.).

Tancitaro, Michoacan, 6586 ft., 1 ♀ vii.25.40 (H.H.).

326. *Vanessa cardui* Linnaeus.

G. & S., 1: 217 (as *Pyrameis*).

S., p. 458.

H., p. 681.

Tancitaro, Michoacan, 6586 ft., 1 ♂ 2 ♀♀ vii.20-25.40 (H.H.).

These are worn specimens but they seem a little paler than those we take at the same altitude in Colorado.

328-9. *Junonia lavinia* Cramer.

Hoffmann separates this species into two, *cænia* Hübner (328) and *genoveva* Cramer (329). I believe these to be nothing more than forms of *lavinia* Cramer, which name has several years priority over *genoveva*.

G. & S. 1: 220; 2: 684 (as *cænia*).

S., p. 461-2, pl. 94d & e.

H., p. 681.

Sabinas Hidalgo, Nuevo Leon, 960 ft., 1 ♀ vi.25.39 (H.H.) (f. *cænia*).

Galeana, Nuevo Leon, 6500 ft., 1 ♂ vii.1.39 (H.H.) (f. *lavinia*).

El Sol, Tamazunchale, San Luis Potosi, 400 ft., 1 ♂ v.29.41 (R.P.) (f. *lavinia*).

El Bañito, Valles, San Luis Potosi, 200 ft., 1 ♀ vi.28.40 (H.H.) (f. *genoveva*).

Chichen Itza, Yucatan, 2 ♂♂ viii.30.36 (H.D.T.) (f. *lavinia*).

Sta. Lucrecia, 2 ♂♂ ix.24.39 (H.D.T.) (f. *genoveva*).

El Sabino, Uruapan, Michoacan, 3 ♂♂ 1 ♀ vii.15-30.36 (H.D.T.) (f. *cænia*).

330. *Anartia jatrophe* Johannes.

G. & S., 1: 221 (as *iatrophe*).

S., p. 462, pl. 94e.

H., p. 681.

Sabinas Hidalgo, Nuevo Leon, 960 ft., 1 ♀ vi.15.39 (H.H.).

Monterrey, Nuevo Leon, 1 ♀ vi.15.35 (H. A. Freeman).  
60 mi. So. of Victoria, Tamaulipas, 3 ♂♂ 1 ♀ vii.6.36 (H.D.T.).

Jacala, Hidalgo, 4500 ft., 1 ♂ vii.11.39 (H.H.).

El Sol, Tamazunchale, San Luis Potosi, 400 ft. 1 ♂ 3 ♀♀ v.28.41 (R.P.).

- El Bañito, Valles, San Luis Potosi, 200 ft., 4 ♂♂  
vi.27-28.40 (H.H.); 2 ♂♂ 1 ♀ iv.30.41 (R.P.).
- El Pujal, San Luis Potosi, 100 ft., 3 ♂♂ vii.17-21.39  
(H.H.).
- Hda. Potrero Viejo, Paraje Nuevo, Vera Cruz, 1500 ft.,  
1 ♂ v.5.41 (R.P.).
- Rio Blanco, Vera Cruz, 2200 ft., 1 ♀ v. 10.41 (R.P.).
- Sta. Lucrecia, 1 ♂ 1 ♀ ix.24.39 (H.D.T.).
- El Capirie, Michoacan, 500 ft., 1 ♂ 1 ♀ viii.3.40 (H.H.).
- El Sabino, Uruapan, Michoacan, 3 ♂♂ 1 ♀ vii.15-30.36  
(H.D.T.).

331. *Anartia fatima* Fabricius.

G. & S., 1: 222.

S., p. 463, pl. 94f.

H., p. 681.

Galeana, Nuevo Leon, 6500 ft., 3 ♂♂ iv.29.41 (R.P.)  
(f. *albifaciata*).

nr. Villagran, Tamaulipas, 1160 ft., 1 ♂ vi.28.41 (R.P.)  
(f. *albifaciata*).

C. Victoria, Tamaulipas, 1 ♀ vi.19.39 (H. A. Freeman)  
(f. *albifaciata*).

60 mi. So. of Victoria, Tamaulipas, 2 ♂♂ 1 ♀ vii.6.36  
(H.D.T.) (f. *fatima*).

Jacala, Hidalgo, 4500 ft., 4 ♂♂ vii.1-11.39 (H.H.) (f.  
*fatima*).

El Sol, Tamazunchale, San Luis Potosi, 400 ft. 6 ♂♂  
1 ♀ v.28-29.41; 2 ♂♂ iv.30-31.41 (R.P.) (ff.  
*fatima* & *albifaciata*).

Arroyo del Calabizas, San Luis Potosi, 250 ft., 1 ♂  
iv.30.41 (R. P.) (f. *albifaciata*).

El Bañito, Valles, San Luis Potosi, 200 ft., 4 ♂♂ 1 ♀  
vi.26-27.40 (H.H.); 4 ♂♂ 3 ♀♀ iv.30.41 (R.P.) (ff.  
*fatima* & *albifaciata*).

El Pujal, San Luis Potosi, 100 ft., 8 ♂♂ 2 ♀♀ vii.17-21.39  
(H.H.) (ff. *fatima* & *albifaciata*).

Tuxpango, Vera Cruz, 1500 ft., 4 ♂♂ v.9.41 (R.P.) (f.  
*fatima*).

- Fortin, Vera Cruz, 1600 ft., 1 ♂ v.4.41 (R.P.) (f. *albifaciata*).
- Ojo de Agua, Vera Cruz, 1600 ft., 2 ♂♂ v.12.41 (R.P.) (f. *fatima*).
- Orizaba, Vera Cruz, 2000 ft., 3 ♂♂ 1 ♀ v.6.41 (R.P.) (ff. *albifaciata* & *fatima*).
- Chichen Itza, Yucatan, 2 ♂♂ 1 ♀ viii.30.36 (H.D.T.) (ff. *fatima* & *albifaciata*).
- Sta. Lucrecia, 2 ♂♂ ix.24.39 (H.D.T.) (ff. *fatima* & *venusta*).
- El Capirie, Michoacan, 500 ft., 1 ♂ viii.3.40 (H.H.) (f. *venusta*).
- Apatzingan, Michoacan, 1050 ft., 1 ♂ viii.5.40 (H.H.) (f. *venusta*).
- El Sabino, Uruapan, Michoacan, 5 ♂♂ 1 ♀ vii.15-30.36 (H.D.T.) (ff. *fatima*, *venusta* & *albifaciata*).

The distribution of the various forms of this species is interestingly told by the above list of specimens. I cannot agree with Hoffmann as to the status of *venusta*. I believe it to be a west coast form and he considers it to be a west coast race.

333. *Victoria stelenes biplagiata* Fruhstorfer.

G. & S., 1: 280.

S., p. 463, pl. 95a (as *steneles*).

H., p. 681 (as *steneles*).

El Sol, Tamazunchale, San Luis Potosi, 400 ft., 9 ♂♂ v.28-29.41 (R.P.).

El Bañito, Valles, San Luis Potosi, 200 ft., 2 ♀♀ vi.27-28.40 (H.H.); 1 ♂ iv.30.41 (R.P.).

El Pujal, San Luis Potosi, 100 ft., 1 ♂ 2 ♀♀ vii.17-18.39 (H.H.).

Chichen Itza, Yucatan, 1 ♂ 1 ♀ viii.30.36 (H.D.T.) (♂ = f. *pallida* Fruh.).

El Sabino, Uruapan, Michoacan, 1 ♂ 4 ♀♀ vii.15-30.36 (H.D.T.).

334. *Victorina epaphus* Latrielle.

S., p. 464, pl. 95b.

H., p. 681.

Tuxpango, Vera Cruz, 1500 ft., 1 ♂ v.8.41 (R.P.).  
 Ojo de Agua, Vera Cruz, 1600 ft., 1 ♂ v.12.41 (R.P.).

336. *Hypanartia lethe* Fabricius.

G. & S., 1: 212; 2: 682 (as *Eurema*).

S., p. 460, pl. 94b.

H., p. 682.

Tuxpango, Vera Cruz, 1500 ft., 1 ♀ v.9.41 (R.P.).

Fortin, Vera Cruz, 1600 ft., 2 ♂♂ 2 ♀♀ v.4.41 (R.P.).

Orizaba, Vera Cruz, 2000 ft., 2 ♂♂ v.6.41 (R.P.).

337. *Hypanartia godmani* Bates.

G. & S., 1: 213 (as *Eurema*).

S., p. 460, pl. 94c.

H., p. 682.

El Sol, Tamazunchale, San Luis Potosi, 400 ft., 1 ♂  
 iv.31.41 (R.P.).

Orizaba, Vera Cruz, 2000 ft., 1 ♀ v.6.41 (R.P.).

Tribe *Didonidi*

340. *Didonis aganisa* Boisduval.

G. & S., 1: 276; 2: 690.

S., p. 465, pl. 94f.

H., p. 682.

Arroyo del Meco, Tamaulipas, 1320 ft., 1 ♂ iv.28.41  
 (R.P.).

C. Victoria, Tamaulipas, 1 ♂ vi.25.35 (H. A. Freeman).

Hda. Sta. Engracia, Tamaulipas, 2 ♀♀ vii.24.39 (H.H.).

Jacala, Hidalgo, 4500 ft., 1 ♂ vii.2.39 (H.H.).

El Sol, Tamazunchale, San Luis Potosi, 400 ft., 1 ♂ 1 ♀  
 v.28-29.41 (R.P.).

El Bañito, Valles, San Luis Potosi, 200 ft., 1 ♂ 2 ♀♀  
 vi. 27-29.40 (H.H.).

El Pujal, San Luis Potosi, 100 ft., 1 ♂ vii.20.39 (H.H.).

Ojo de Agua, Vera Cruz, 2200 ft., 1 ♂ v.12.41 (R.P.).

Rio Blanco, Vera Cruz, 2200 ft., 1 ♂ v.10.41 (R.P.).

Bet. Tule and Mitla, Oaxaca, 1 ♀ v.18.41 (R.P.).

341. *Mestra amymone* Ménètries.

G. & S., 1: 278; 2: 690 (as *Cystineura*).

S., p. 467, pl. 115e.

H., p. 682.

Sabinas Hidalgo, Nuevo Leon, 960 ft., 3 ♂♂ vi.15.39  
(H.H.).

Villa Santiago, Nuevo Leon, 1600 ft., 1 ♂ viii.8.39  
(H.H.).

Hda. Vista Hermosa, Villa Santiago, Nuevo Leon, 1500  
ft., 1 ♂ vi.18.40 (H.H.).

Monterrey, Nuevo Leon, 1800 ft., 1 ♂ 1 ♀ iv.27.41  
(R.P.).

nr. Villagran, Tamaulipas, 1160 ft., 1 ♂ 3 ♀♀ iv.28.41  
(R.P.).

Jacala, Hidalgo, 4500 ft., 4 ♂♂ 2 ♀♀ vii.2-3.39 (H.H.).

El Sol, Tamazunchale, San Luis Potosi, 400 ft., 1 ♂  
v.28.41 (R.P.).

El Bañito, Valles, San Luis Potosi, 200 ft., 5 ♂♂  
vi.26-27.40 (H.H.).

Rio Balsas, Guerrero, 2400 ft., 2 ♂♂ 1 ♀ v.26.41 (R.P.).

Acahuato, Michoacan, 3000 ft., 1 ♂ 1 ♀ viii.2.40 (H.H.).

Apatzingan, Michoacan, 6586 ft., 1 ♂ viii.5.40 (H.H.).

The west coast specimens tend to be more strongly marked than the east coast material. However, the difference is slight and no one would fail to recognize the material from the two coasts as being the same species.

## Tribe Epicaliidi

344. *Pyrrhogyra otolais neis* Felder.

G. & S., 1: 293.

S., p. 475.

H., p. 682.

El Sol, Tamazunchale, San Luis Potosi, 400 ft., 2 ♂♂  
1 ♀ iv.30-31.41; 1 ♂ 1 ♀ v.28.41 (R.P.).

Ojo de Agua, Vera Cruz, 1600 ft., 1 ♂ v.12.41 (R.P.).

345. *Pseudonica flavilla canthara* Doubleday.

S., p. 476, pl. 97b.

H., p. 682.

Ojo de Agua, Vera Cruz, 1600 ft., 1 ♂ 1 ♀ v.12.41  
(R.P.).

These specimens are even more lightly marked than the one figured by Seitz (*l.c.*). The submarginal band on the hindwings is reduced to a dot at the anal angle.

346. *Temenis laothœ liberia* Fabricius.

S., p. 476, pl. 97c.

H., p. 683.

El Sol, Tamazunchale, San Luis Potosi, 400 ft., 4' ♂♂  
v. 28.41 (R.P.).

El Bañito, Valles, San Luis Potosi, 200 ft., 1 ♀ vi.28.40  
(H.H.); 1 ♂ iv.30.41 (R.P.).

348. *Epiphile adrasta bandusia* Fruhstorfer.

G. & S., 1: 234; 2: 685.

S., p. 479.

H., p. 683.

Galeana Canyon, Tamaulipas, 1 ♂ iv.29.41 (R.P.).

El Sol, Tamazunchale, San Luis Potosi, 2 ♂♂ 1 ♀  
v. 28-29.41 (R.P.).

El Bañito, Valles, San Luis Potosi, 1 ♂ vi.26.40 (H.H.).

349. *Catonephele nyctimus* Westwood.

S., p. 480, pl. 98c.

H., p. 683.

El Sol, Tamazunchale, San Luis Potosi, 400 ft., 1 ♂ 1 ♀  
v.28-29.41 (R.P.).

Tuxpango, Vera Cruz, 1500 ft., 1 ♂ v.8.41 (R.P.).

352. *Mycelia cyaniris* Doubleday.

G. & S., 1: 230.

R., p. 483, pl. 99a (as *ethusa* ♂).

H., p. 683.

El Sol, Tamazunchale, San Luis Potosi, 400 ft., 1 ♂  
iv.30.41; 2 ♂♂ v.29.41 (R.P.).

El Pujal, San Luis Potosi, 100 ft., 1 ♂ vii.20.39 (H.H.).

Ojo de Agua, Vera Cruz, 1600 ft., 1 ♀ v.12.41 (R.P.).

This species may easily be confused with the females of the following species when the upper surfaces are compared. It may

always be recognized by the more strongly falcate forewings and the presence of a single WHITE band running the length of the cell. The underside of *cyaniris* is much lighter and uniformly colored than that of *ethusa*. The two species fly together. The ratio of their occurrence in this collection is 1:6! This reverses the usually accepted notion of the rarity of the two species. (See G. & S., *l.c.*).

353. *Mycelia ethusa* Boisduval.

G. & S., 1: 232.

R., p. 483 (pl. 99a ♀ as *cyaniris* ♂ ?).

H., p. 683.

El Mante, San Luis Potosi, 1 ♀ iv.29.41 (R.P.) (? ♀  
*ethusa* or aberrant ♀ *rogenhoferi* ?)

El Sol, Tamazunchale, San Luis Potosi, 400 ft., 8 ♂♂  
v.28-29.41 (R.P.).

El Bañito, Valles, San Luis Potosi, 200 ft., 2 ♂♂  
vii.22.39; 10 ♂♂ iv.26-29.40 (H.H.); 5 ♂♂ iv.30.41  
(R.P.).

El Pujal, San Luis Potosi, 100 ft., 7 ♂♂ vii.17-20.39  
H.H.).

See the note following 353A, *Mycelia rogenhoferi* Felder.

353A. *Mycelia rogenhoferi* Felder.

G. & S., 1: 231, pl. 24, ff. 3, 4.

R., p. 483, pl. 99a.

H., p. 683 (as syn. of *ethusa*).

El Sol, Tamazunchale, San Luis Potosi, 400 ft., 1 ♂ 1 ♀  
v.29.41 (R.P.).

El Bañito, Valles, San Luis Potosi, 200 ft., 2 ♀♀  
vii.22.39; 1 ♀ vi.26.40 (H.H.)

El Pujal, San Luis Potosi, 100 ft., 3 ♂♂ 2 ♀♀ vii.17-21.39  
(H.H.).

I am puzzled about this material that I call *rogenhoferi*. Hoffmann (*l.c.*) lists it as a synonym of the female of *ethusa*. Yet I have males and females that are identically marked. The markings in the cell of the forewing on the upper side corresponds exactly in the two sexes with the figure given by Godman & Salvin and copied by Roeber. This is quite different from the



markings found on *ethusa*—Roeber's *ethusa* is *cyaniris* (pl. 99a) and in the same line his *cyaniris* ♂ may be *ethusa* ♀ but is more likely a *rogenhoferi*. The female that I have listed under *ethusa* from El Mante may be a slightly aberrant *rogenhoferi*; it is like Roeber's figure called *cyaniris* ♂ but has four distinct bluish bands on the hindwing while the figure shows only three plus some lunules at the margin. I am bothered by the lack of any clear-cut females of *ethusa* in such a long series. I may be in error about the males noted above and Hoffmann may be correct.

354. *Mycelia cyananthe* Felder.

R., p. 483.

H., p. 683.

Rio Balsas, Guerrero, 2400 ft., 1 ♂ 1 ♀ v.26.41 (R.P.).

The specimens are badly battered but recognizable.

355. *Eunica tatila* Herrick-Schäffer.

G. & S., 1: 229; 2: 685.

S., p. 484, pl. 100Aa.

H., p. 683.

Galeana Canyon, Tamaulipas, 12 ♂♂ iv.29.41 (R.P.).

El Sol, Tamazunchale, San Luis Potosi, 400 ft., 17 ♂♂  
v.28-29.41 (R.P.).

The light spots on the forewing are very faint on the Galeana Canyon material. However the wings have a distinct purple reflection.

355A. *Eunica cærulea* Godman & Salvin.

G. & S., 1: 229.

S., p. 484, pl. 100Aa.

H., p. 683.

El Sol, Tamazunchale, San Luis Potosi, 400 ft., 1 ♂  
v.28.41 (R.P.).

Hoffmann considers this a synonym of *tatila* H.-S. I do not.

356. *Eunica monima* Cramer.

G. & S., 1: 228.

S., p. 485, pl. 100Ac.

H., p. 684.

Galeana Canyon, Tamaulipas, 2 ♀♀ iv.29.41 (R.P.).

El Sol, Tamazunchale, San Luis Potosi, 1 ♂ 1 ♀ v.28-29.41 (R.P.).

Tribe **Catagrammidi**

369. **Callicore anna** Guérin.

G. & S., 1: 255; 2: 688.

R., p. 501, pl. 102Bc.

H., p. 685.

Tamazunchale, San Luis Potosi, 1 ♀ vii.1.36 (H. A. Freeman).

El Sol, Tamazunchale, San Luis Potosi, 400 ft., 1 ♂ 3 ♀♀ iv.31.41 (R.P.).

Tuxpango, Vera Cruz, 1500 ft., 2 ♂♂ v.9.41 (R.P.).

Fortin, Vera Cruz, 1600 ft., 1 ♂ 1 ♀ v.3.41 (R.P.).

374. **Dynamine mylitta** Cramer.

R., p. 507, pl. 101Ah.

H., p. 685.

El Sol, Tamazunchale, San Luis Potosi, 400 ft., 15 ♂♂ 5 ♀♀ v.28-29.41 (R.P.).

El Bañito, Valles, San Luis Potosi, 200 ft., 1 ♂ vi.28.40; 1 ♀ vii.22.39 (H.H.).

El Pujal, San Luis Potosi, 100 ft., 2 ♂♂ 1 ♀ vii.17-20.39 (H.H.).

Ojo de Agua, Vera Cruz, 1600 ft., 2 ♀♀ v.12.41 (R.P.).

376. **Dynamine dyonis** Geyer.

G. & S., 1: 250.

R., p. 508, pl. 101Ah, i, 101Ba.

H., p. 685.

El Sol, Tamazunchale, San Luis Potosi, 400 ft., 1 ♂ iv.30.41; 7 ♂♂ v. 28-29.41 (R.P.).

El Bañito, Valles, San Luis Potosi, 200 ft., 1 ♂ vi.27.40 (H.H.); 1 ♂ iv.30.41 (R.P.).

El Pujal, San Luis Potosi, 100 ft., 1 ♀ vii.17.39 (H.H.).

Tribe **Ageroniidi**

379. **Ageronia februa** Huebner.

F., p. 539, pl. 105d.

H., p. 685.

El Sol, Tamazunchale, San Luis Potosi, 400 ft., 8 ♂♂  
6 ♀♀ v.28-29.41 (R.P.).

El Bañito, Valles, San Luis Potosi, 200 ft., 8 ♂♂ vi.26-  
29.40 (H.H.); 2 ♂♂ iv.30.41 (R.P.).

El Pujal, San Luis Potosi, 100 ft., 2 ♂♂ 1 ♀ vii.17-18.40  
(H.H.).

Rio Blanco, Vera Cruz, 2200 ft., 1 ♂ v.10.41 (R.P.).

Acapulco, Guerrero, 100 ft., 1 ♂ v.26.41 (R.P.).

I agree with Hoffmann that Fruhstorfer's Mexican forms are untenable.

381. *Ageronia ferox fictitia* Fruhstorfer.

F., p. 541, pl. 105e.

H., p. 686.

60 mi. So. of Victoria, Tamaulipas, 2 ♂♂ vii.6.36  
(H.D.T.).

El Pujal, San Luis Potosi, 100 ft., 1 ♂ vii.17.39 (H.H.).

Of this Hoffmann says, "No se conoce su distribución geográfica." My two records place the form on the Gulf Coast.

382. *Ageronia atlantis* Bates.

G. & S., 1: 269; 2: 689.

H., p. 686.

Acapulco, Guerrero, 100 ft., 1 ♂ v.23-25.41 (R.P.).

383. *Ageronia feronia farinulenta* Fruhstorfer.

F., p. 542.

H., p. 686.

El Sol, Tamazunchale, San Luis Potosi, 400 ft., 4 ♂♂  
1 ♀ v.29.41 (R.P.).

El Pujal, San Luis Potosi, 100 ft., 1 ♂ vii.19.39 (H.H.).

384. *Ageronia guatemalena marmorice* Fruhstorfer.

F., p. 542.

H., p. 686.

60 mi. So. of Victoria, Tamaulipas, 2 ♂♂ vii.6.36  
(H.D.T.).

El Sol, Tamazunchale, San Luis Potosi, 400 ft., 1 ♂ 1 ♀  
v.28-29.41 (R.P.).

El Pujal, San Luis Potosi, 100 ft., 1 ♂ vii.18.39 (H.H.).

The species *feronia* and *guatemalena* can be readily separated by observing the ocelli on the upper side of the hindwing. These in *guatemalena* contain a narrow ring of blue scales around the greyish or white pupil.

385. *Ageronia iphthime* Bates.

G. & S., 1: 274.

F., p. 543, pl. 105a.

H., p. 686.

El Sol, Tamazunchale, San Luis Potosi, 400 ft., 6 ♂♂  
3 ♀♀ v.28-29.41 (R.P.).

Ojo de Agua, Vera Cruz, 1600 ft., 2 ♀♀ v.12.41 (R.P.).

386. *Ageronia fornax fornacula* Fruhstorfer.

F., p. 543.

H., p. 686.

Tuxpango, Vera Cruz, 1500 ft., 1 ♂ v.9.41 (R.P.).

387. *Ageronia amphinome mexicana* Lucas.

F., p. 543.

H., p. 686.

El Sol, Tamazunchale, San Luis Potosi, 400 ft., 1 ♂  
v.29.41 (R.P.).

Tribe *Marpesiidi*

390. *Timetes chiron* Fabricius.

G. & S., 1: 288; 2: 691.

S., p. 468, pl. 96a.

H., p. 687.

El Sol, Tamazunchale, San Luis Potosi, 400 ft., 4 ♂♂  
1 ♀ v.28-29.41 (R.P.).

Arroyo del Calabizas, San Luis Potosi, 250 ft., 5 ♂♂  
iv.30.41 (R.P.).

El Bañito, Valles, San Luis Potosi, 200 ft., 1 ♂ vii.22.39;  
2 ♂♂ 1 ♀ vi.26-28.40 (H.H.).

393. *Athena petreus* Cramer.

G. & S., 1: 283; 2: 690 (as *Timetes peleus*).

S., p. 469, pl. 96e (as *Megalura peleus*).

H., p. 687.

El Sol, Tamazunchale, San Luis Potosi, 400 ft., 3 ♂♂  
1 ♀ v.28-29.41 (R.P.).

Arroyo del Calabizas, San Luis Potosi, 250 ft., 4 ♂♂  
iv.30.41 (R.P.).

El Bañito, Valles, San Luis Potosi, 200 ft., 1 ♂ iv.30.41  
(R.P.).

El Pujal, San Luis Potosi, 100 ft., 1 ♂ vii.17.39 (H.H.).

#### Tribe Limenitidi

The material from the genus *Adelpha* was purchased by Mr. Frank Johnson and will be published by him.

#### 414. *Heterochroa bredowi bredowi* Geyer.

G. & S., 1: 310.

S., p. 533 (as *Limenitis*).

H., p. 688.

Hda. Vista Hermosa, Villa Santiago, Nuevo Leon, 1500  
ft., 2 ♂♂ 1 ♀ vi.19-21.40 (H.H.).

#### 415. *Basilarchia archippus* Cramer.

S., p. 534.

H., p. 689.

El Sol, Tamazunchale, San Luis Potosi, 400 ft., 1 ♂  
v.29.41 (R.P.).

This is f. *obsoleta* Edw. recorded by Hoffmann from the north-eastern part of Mexico.

#### 416. *Basilarchia astyanax arizonensis* Edwards.

G. & S., 1: 311; 2: 693 (as *Limenitis*).

S., p. 534.

H., p. 689.

Galeana, Nuevo Leon, 6500 ft., 1 ♂ viii.4.39 (H.H.).

Monterrey, Nuevo Leon, 1 ♀ vi.15.35 (H. A. Freeman).

Arroyo del Meco, Tamaulipas, 1320 ft., 1 ♂ iv.28.41  
(R.P.).

#### Tribe Apaturidi

#### 419. *Chlorippe pavon* Latrielle.

G. & S., 1: 315; 2: 693 (as *pavonii*).

R., p. 546, pl. 110Bc.

H., p. 689.

El Sol, Tamazunchale, San Luis Potosi, 400 ft., 3 ♂♂  
1 ♀ iv.30-v.29.41 (R.P.).

Arroyo del Calabizas, San Luis Potosi, 250 ft., 1 ♂  
iv.30.41 (R.P.).

El Bañito, Valles, San Luis Potosi, 200 ft., 2 ♂♂ vi.27.40  
(H.H.); 2 ♂♂ iv.30.41 (R.P.).

El Pujal, San Luis Potosi, 1 ♂ vii.17.39 (H.H.).

424. *Asterocampa leilia* Edwards.

G. & S., 1: 319; 2: 694 (as *Doxocopa*).

R., p. 550, pl. 110Ac.

H., p. 689.

Sabinas Hidalgo, Nuevo Leon, 690 ft., 1 ♂ 2 ♀♀ vi.15-  
16.39 (H.H.).

Ojo de Agua, Sabinas Hidalgo, Nuevo Leon, 1000 ft.,  
1 ♂ vi.14.40 (H.H.).

424A. *Asterocampa lycaon flora* Edwards.

R., p. 549, pl. 110Ac.

Sabinas Hidalgo, Nuevo Leon, 960 ft., 2 ♂♂ vi.17-18.39  
(H.H.).

Villa Santiago, Nuevo Leon, 1500 ft., 1 ♀ vi.17.40  
(H.H.).

Galeana, Nuevo Leon, 6500 ft., 1 ♀ viii.4.39 (H.H.).

Hda. Sta. Engracia, Tamaulipas, 1 ♀ vii.25.39 (H.H.).

This species is not listed by Hoffmann.

Tribe Gynæciidi

428. *Smyrna blomfieldia datis* Fruhstorfer.

G. & S., 1: 329; 2: 696.

S., p. 471, pl. 104d.

H., p. 690.

El Sol, Tamazunchale, San Luis Potosi, 400 ft., 1 ♀  
v.29.41 (R.P.).

El Pujal, San Luis Potosi, 100 ft., 3 ♂♂ vii.18-20.39  
(H.H.).

Ojo de Agua, Vera Cruz, 1600 ft., 3 ♀♀ v.12.41 (R.P.).

The Ojo de Agua females are in tatters but recognizable.

430. *Gynæcia dirce* Linnaeus.

G. & S., 1: 265; 2: 689.

S., p. 473, pl. 97a.

H., p. 690.

El Sol, Tamazunchale, San Luis Potosi, 400 ft., 2 ♂♂  
v.29.41 (R.P.).

Chichen Itza, Yucatan, 1 ♀ viii.30.36 (H.D.T.).

Tribe Charaxidi

431. *Prepona demophon centralis* Fruhstorfer.

G. & S., 1: 320; 2: 694 (as *demophon*).

F., p. 554, pl. 111a.

H., p. 690.

El Sol, Tamazunchale, San Luis Potosi, 400 ft., 1 ♂  
v.28.41 (R.P.).

El Pujal, San Luis Potosi, 100 ft., 2 ♂♂ 1 ♀ vii.19-20.39  
(H.H.).

433. *Prepona antimache gulina* Fruhstorfer.

F., p. 555.

H., p. 690.

El Sol, Tamazunchale, San Luis Potosi, 400 ft., 1 ♀  
v.29.41 (R.P.).

443. *Protogonius hippona cecrops* Doubleday & Hewitson.

G. & S., 1: 357; 2: 699.

R., p. 580, pl. 117a.

H., p. 691.

El Pujal, San Luis Potosi, 100 ft., 1 ♀ vii.21.39 (H.H.).

Ojo de Agua, Vera Cruz, 1600 ft., 1 ♂ v.12.41 (R.P.).

*Anæa*:—Mr. Frank Johnson purchased these and will publish upon them.

LIBYTHEIDÆ

464. *Libythea carinenta* Cramer.

G. & S., 1: 360.

S., p. 623, pl. 120De.

H., p. 693.

Sabinas Hidalgo, Nuevo Leon, 960 ft., 4 ♀♀ vi.15.39  
(H.H.).

Arroyo del Meco, Tamaulipas, 1320 ft., 2 ♂♂ iv.28.41  
(R.P.).

El Sol, Tamazunchale, San Luis Potosi, 400 ft., 2 ♂♂  
v.29.41 (R.P.).

Arroyo del Calabizas, San Luis Potosi, 250 ft., 1 ♂  
iv.30.41 (R.P.).

So. of El Mante, San Luis Potosi, 1 ♂ iv.27.41 (R.P.).

El Bañito, Valles, San Luis Potosi, 200 ft., 1 ♀ vii.22.39;  
2 ♂♂ vi.26.40 (H.H.).

Riodinidæ:—These are being studied by Mr. Wm. P. Comstock.

Lycænidæ:—These are being studied by Mr. E. I. Huntington.

Hesperioidea:—These are being studied by Mr. Ernest L. Bell.

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(S = Seitz, R = Roerber, F = Fruhstorfer, in Seitz' "Macrolepidoptera.")